

	A	B	C	D	E	F	G	H	I	J	K	L
1				General UCL Statistics for Data Sets with Non-Detects								
2	User Selected Options											
3	From File			AOC_SiteWide_SW.wst								
4	Full Precision			OFF								
5	Confidence Coefficient			95%								
6	Number of Bootstrap Operations			2000								
7												
8												
9	1,2-Dichlorobenzene											
10												
11	General Statistics											
12	Number of Valid Data				3		Number of Detected Data				0	
13	Number of Distinct Detected Data				0		Number of Non-Detect Data				3	
14							Percent Non-Detects				100.00%	
15												
16	Warning: This data set only has 3 observations!											
17	Data set is too small to compute reliable and meaningful statistics and estimates!											
18	The data set for variable 1,2-Dichlorobenzene was not processed!											
19												
20	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
21	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
22												
23												
24												
25	1,4-Dichlorobenzene											
26												
27	General Statistics											
28	Number of Valid Data				3		Number of Detected Data				0	
29	Number of Distinct Detected Data				0		Number of Non-Detect Data				3	
30							Percent Non-Detects				100.00%	
31												
32	Warning: This data set only has 3 observations!											
33	Data set is too small to compute reliable and meaningful statistics and estimates!											
34	The data set for variable 1,4-Dichlorobenzene was not processed!											
35												
36	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
37	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
38												
39												
40												
41	2,4-Dimethylphenol											
42												
43	General Statistics											
44	Number of Valid Data				3		Number of Detected Data				0	
45	Number of Distinct Detected Data				0		Number of Non-Detect Data				3	
46							Percent Non-Detects				100.00%	
47												
48	Warning: This data set only has 3 observations!											
49	Data set is too small to compute reliable and meaningful statistics and estimates!											
50	The data set for variable 2,4-Dimethylphenol was not processed!											
51												
52	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											

	A	B	C	D	E	F	G	H	I	J	K	L
53	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
54												
55												
56												
57	2,4-Dinitrotoluene											
58												
59	General Statistics											
60	Number of Valid Data				3		Number of Detected Data				0	
61	Number of Distinct Detected Data				0		Number of Non-Detect Data				3	
62							Percent Non-Detects				100.00%	
63												
64	Warning: This data set only has 3 observations!											
65	Data set is too small to compute reliable and meaningful statistics and estimates!											
66	The data set for variable 2,4-Dinitrotoluene was not processed!											
67												
68	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
69	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
70												
71												
72												
73	2-Methylphenol											
74												
75	General Statistics											
76	Number of Valid Data				3		Number of Detected Data				0	
77	Number of Distinct Detected Data				0		Number of Non-Detect Data				3	
78							Percent Non-Detects				100.00%	
79												
80	Warning: This data set only has 3 observations!											
81	Data set is too small to compute reliable and meaningful statistics and estimates!											
82	The data set for variable 2-Methylphenol was not processed!											
83												
84	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
85	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
86												
87												
88												
89	3 & 4 Methylphenol											
90												
91	General Statistics											
92	Number of Valid Data				3		Number of Detected Data				0	
93	Number of Distinct Detected Data				0		Number of Non-Detect Data				3	
94							Percent Non-Detects				100.00%	
95												
96	Warning: This data set only has 3 observations!											
97	Data set is too small to compute reliable and meaningful statistics and estimates!											
98	The data set for variable 3 & 4 Methylphenol was not processed!											
99												
100	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
101	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
102												
103												
104												

	A	B	C	D	E	F	G	H	I	J	K	L
105	Acenaphthene											
106												
107	General Statistics											
108	Number of Valid Data					3	Number of Detected Data					0
109	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
110							Percent Non-Detects					100.00%
111												
112	Warning: This data set only has 3 observations!											
113	Data set is too small to compute reliable and meaningful statistics and estimates!											
114	The data set for variable Acenaphthene was not processed!											
115												
116	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
117	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
118												
119												
120												
121	Acetone											
122												
123	General Statistics											
124	Number of Valid Data					3	Number of Detected Data					0
125	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
126							Percent Non-Detects					100.00%
127												
128	Warning: This data set only has 3 observations!											
129	Data set is too small to compute reliable and meaningful statistics and estimates!											
130	The data set for variable Acetone was not processed!											
131												
132	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
133	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
134												
135												
136												
137	Anthracene											
138												
139	General Statistics											
140	Number of Valid Data					3	Number of Detected Data					0
141	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
142							Percent Non-Detects					100.00%
143												
144	Warning: This data set only has 3 observations!											
145	Data set is too small to compute reliable and meaningful statistics and estimates!											
146	The data set for variable Anthracene was not processed!											
147												
148	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
149	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
150												
151												
152												
153	Antimony											
154												
155	General Statistics											
156	Number of Valid Data					3	Number of Detected Data					0

	A	B	C	D	E	F	G	H	I	J	K	L
157	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
158							Percent Non-Detects					100.00%
159												
160	Warning: This data set only has 3 observations!											
161	Data set is too small to compute reliable and meaningful statistics and estimates!											
162	The data set for variable Antimony was not processed!											
163												
164	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
165	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
166												
167												
168												
169	Arsenic											
170												
171	General Statistics											
172	Number of Valid Data					3	Number of Detected Data					0
173	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
174							Percent Non-Detects					100.00%
175												
176	Warning: This data set only has 3 observations!											
177	Data set is too small to compute reliable and meaningful statistics and estimates!											
178	The data set for variable Arsenic was not processed!											
179												
180	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
181	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
182												
183												
184												
185	Barium											
186												
187	General Statistics											
188	Number of Valid Observations					3	Number of Distinct Observations					3
189												
190												
191	Warning: This data set only has 3 observations!											
192	Data set is too small to compute reliable and meaningful statistics and estimates!											
193	The data set for variable Barium was not processed!											
194												
195	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
196	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
197												
198												
199												
200	Benzene											
201												
202	General Statistics											
203	Number of Valid Data					6	Number of Detected Data					0
204	Number of Distinct Detected Data					0	Number of Non-Detect Data					6
205							Percent Non-Detects					100.00%
206												
207	Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!											
208	Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!											

	A	B	C	D	E	F	G	H	I	J	K	L
209	The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).											
210												
211	The data set for variable Benzene was not processed!											
212												
213												
214												
215	Benzo(a)anthracene											
216												
217	General Statistics											
218	Number of Valid Data				3		Number of Detected Data				0	
219	Number of Distinct Detected Data				0		Number of Non-Detect Data				3	
220							Percent Non-Detects				100.00%	
221												
222	Warning: This data set only has 3 observations!											
223	Data set is too small to compute reliable and meaningful statistics and estimates!											
224	The data set for variable Benzo(a)anthracene was not processed!											
225												
226	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
227	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
228												
229												
230												
231	Benzo(a)pyrene											
232												
233	General Statistics											
234	Number of Valid Data				3		Number of Detected Data				0	
235	Number of Distinct Detected Data				0		Number of Non-Detect Data				3	
236							Percent Non-Detects				100.00%	
237												
238	Warning: This data set only has 3 observations!											
239	Data set is too small to compute reliable and meaningful statistics and estimates!											
240	The data set for variable Benzo(a)pyrene was not processed!											
241												
242	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
243	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
244												
245												
246												
247	Benzo(b)fluoranthene											
248												
249	General Statistics											
250	Number of Valid Data				3		Number of Detected Data				0	
251	Number of Distinct Detected Data				0		Number of Non-Detect Data				3	
252							Percent Non-Detects				100.00%	
253												
254	Warning: This data set only has 3 observations!											
255	Data set is too small to compute reliable and meaningful statistics and estimates!											
256	The data set for variable Benzo(b)fluoranthene was not processed!											
257												
258	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
259	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
260												

	A	B	C	D	E	F	G	H	I	J	K	L
261												
262												
263	Beryllium											
264												
265	General Statistics											
266	Number of Valid Data					3	Number of Detected Data					0
267	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
268							Percent Non-Detects					100.00%
269												
270	Warning: This data set only has 3 observations!											
271	Data set is too small to compute reliable and meaningful statistics and estimates!											
272	The data set for variable Beryllium was not processed!											
273												
274	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
275	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
276												
277												
278												
279	Bis(2-ethylhexyl) phthalate											
280												
281	General Statistics											
282	Number of Valid Data					3	Number of Detected Data					0
283	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
284							Percent Non-Detects					100.00%
285												
286	Warning: This data set only has 3 observations!											
287	Data set is too small to compute reliable and meaningful statistics and estimates!											
288	The data set for variable Bis(2-ethylhexyl) phthalate was not processed!											
289												
290	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
291	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
292												
293												
294												
295	Cadmium											
296												
297	General Statistics											
298	Number of Valid Data					3	Number of Detected Data					0
299	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
300							Percent Non-Detects					100.00%
301												
302	Warning: This data set only has 3 observations!											
303	Data set is too small to compute reliable and meaningful statistics and estimates!											
304	The data set for variable Cadmium was not processed!											
305												
306	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
307	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
308												
309												
310												
311	Carbon disulfide											
312												

	A	B	C	D	E	F	G	H	I	J	K	L
313	General Statistics											
314	Number of Valid Data					3	Number of Detected Data					0
315	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
316							Percent Non-Detects					100.00%
317												
318	Warning: This data set only has 3 observations!											
319	Data set is too small to compute reliable and meaningful statistics and estimates!											
320	The data set for variable Carbon disulfide was not processed!											
321												
322	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
323	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
324												
325												
326												
327	Chlorobenzene											
328												
329	General Statistics											
330	Number of Valid Data					3	Number of Detected Data					0
331	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
332							Percent Non-Detects					100.00%
333												
334	Warning: This data set only has 3 observations!											
335	Data set is too small to compute reliable and meaningful statistics and estimates!											
336	The data set for variable Chlorobenzene was not processed!											
337												
338	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
339	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
340												
341												
342												
343	Chloroform											
344												
345	General Statistics											
346	Number of Valid Data					3	Number of Detected Data					0
347	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
348							Percent Non-Detects					100.00%
349												
350	Warning: This data set only has 3 observations!											
351	Data set is too small to compute reliable and meaningful statistics and estimates!											
352	The data set for variable Chloroform was not processed!											
353												
354	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
355	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
356												
357												
358												
359	Chromium											
360												
361	General Statistics											
362	Number of Valid Data					3	Number of Detected Data					1
363	Number of Distinct Detected Data					1	Number of Non-Detect Data					2
364							Percent Non-Detects					66.67%

	A	B	C	D	E	F	G	H	I	J	K	L
365												
366	Warning: This data set only has 3 observations!											
367	Data set is too small to compute reliable and meaningful statistics and estimates!											
368	The data set for variable Chromium was not processed!											
369												
370	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
371	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
372												
373												
374												
375	Chromium, hexavalent											
376												
377	General Statistics											
378	Number of Valid Data					3	Number of Detected Data					0
379	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
380							Percent Non-Detects					100.00%
381												
382	Warning: This data set only has 3 observations!											
383	Data set is too small to compute reliable and meaningful statistics and estimates!											
384	The data set for variable Chromium, hexavalent was not processed!											
385												
386	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
387	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
388												
389												
390												
391	Chrysene											
392												
393	General Statistics											
394	Number of Valid Data					3	Number of Detected Data					0
395	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
396							Percent Non-Detects					100.00%
397												
398	Warning: This data set only has 3 observations!											
399	Data set is too small to compute reliable and meaningful statistics and estimates!											
400	The data set for variable Chrysene was not processed!											
401												
402	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
403	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
404												
405												
406												
407	Cobalt											
408												
409	General Statistics											
410	Number of Valid Data					3	Number of Detected Data					0
411	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
412							Percent Non-Detects					100.00%
413												
414	Warning: This data set only has 3 observations!											
415	Data set is too small to compute reliable and meaningful statistics and estimates!											
416	The data set for variable Cobalt was not processed!											



	A	B	C	D	E	F	G	H	I	J	K	L
417												
418	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
419	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
420												
421												
422												
423	Copper											
424												
425	General Statistics											
426	Number of Valid Data				3		Number of Detected Data				0	
427	Number of Distinct Detected Data				0		Number of Non-Detect Data				3	
428							Percent Non-Detects				100.00%	
429												
430	Warning: This data set only has 3 observations!											
431	Data set is too small to compute reliable and meaningful statistics and estimates!											
432	The data set for variable Copper was not processed!											
433												
434	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
435	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
436												
437												
438												
439	Cyanide, Total											
440												
441	General Statistics											
442	Number of Valid Data				3		Number of Detected Data				0	
443	Number of Distinct Detected Data				0		Number of Non-Detect Data				3	
444							Percent Non-Detects				100.00%	
445												
446	Warning: This data set only has 3 observations!											
447	Data set is too small to compute reliable and meaningful statistics and estimates!											
448	The data set for variable Cyanide, Total was not processed!											
449												
450	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
451	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
452												
453												
454												
455	Ethylbenzene											
456												
457	General Statistics											
458	Number of Valid Data				6		Number of Detected Data				0	
459	Number of Distinct Detected Data				0		Number of Non-Detect Data				6	
460							Percent Non-Detects				100.00%	
461												
462	Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!											
463	Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!											
464	The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).											
465												
466	The data set for variable Ethylbenzene was not processed!											
467												
468												

	A	B	C	D	E	F	G	H	I	J	K	L
469												
470	Fluoranthene											
471												
472	General Statistics											
473	Number of Valid Data					3	Number of Detected Data					0
474	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
475							Percent Non-Detects					100.00%
476												
477	Warning: This data set only has 3 observations!											
478	Data set is too small to compute reliable and meaningful statistics and estimates!											
479	The data set for variable Fluoranthene was not processed!											
480												
481	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
482	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
483												
484												
485												
486	Fluorene											
487												
488	General Statistics											
489	Number of Valid Data					3	Number of Detected Data					0
490	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
491							Percent Non-Detects					100.00%
492												
493	Warning: This data set only has 3 observations!											
494	Data set is too small to compute reliable and meaningful statistics and estimates!											
495	The data set for variable Fluorene was not processed!											
496												
497	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
498	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
499												
500												
501												
502	Indeno(1,2,3-cd)pyrene											
503												
504	General Statistics											
505	Number of Valid Data					3	Number of Detected Data					0
506	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
507							Percent Non-Detects					100.00%
508												
509	Warning: This data set only has 3 observations!											
510	Data set is too small to compute reliable and meaningful statistics and estimates!											
511	The data set for variable Indeno(1,2,3-cd)pyrene was not processed!											
512												
513	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
514	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
515												
516												
517												
518	Lead											
519												
520	General Statistics											

	A	B	C	D	E	F	G	H	I	J	K	L
521	Number of Valid Data					3	Number of Detected Data					0
522	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
523							Percent Non-Detects					100.00%
524												
525	Warning: This data set only has 3 observations!											
526	Data set is too small to compute reliable and meaningful statistics and estimates!											
527	The data set for variable Lead was not processed!											
528												
529	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
530	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
531												
532												
533												
534	Manganese											
535												
536	General Statistics											
537	Number of Valid Observations					3	Number of Distinct Observations					3
538												
539												
540	Warning: This data set only has 3 observations!											
541	Data set is too small to compute reliable and meaningful statistics and estimates!											
542	The data set for variable Manganese was not processed!											
543												
544	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
545	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
546												
547												
548												
549	Mercury											
550												
551	General Statistics											
552	Number of Valid Data					3	Number of Detected Data					0
553	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
554							Percent Non-Detects					100.00%
555												
556	Warning: This data set only has 3 observations!											
557	Data set is too small to compute reliable and meaningful statistics and estimates!											
558	The data set for variable Mercury was not processed!											
559												
560	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
561	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
562												
563												
564												
565	Methane											
566												
567	General Statistics											
568	Number of Valid Observations					6	Number of Distinct Observations					6
569												
570	Raw Statistics						Log-transformed Statistics					
571	Minimum					2.4	Minimum of Log Data					0.875
572	Maximum					87	Maximum of Log Data					4.466

	A	B	C	D	E	F	G	H	I	J	K	L
573	Mean					34.63	Mean of log Data					2.958
574	Geometric Mean					19.26	SD of log Data					1.35
575	Median					22.5						
576	SD					34.1						
577	Std. Error of Mean					13.92						
578	Coefficient of Variation					0.985						
579	Skewness					0.883						
580												
581												
582	Warning: A sample size of 'n' = 6 may not adequate enough to compute meaningful and reliable test statistics and estimates!											
583												
584	It is suggested to collect at least 8 to 10 observations using these statistical methods!											
585	If possible compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
586												
587												
588	Warning: There are only 6 Values in this data											
589	Note: It should be noted that even though bootstrap methods may be performed on this data set,											
590	the resulting calculations may not be reliable enough to draw conclusions											
591												
592	The literature suggests to use bootstrap methods on data sets having more than 10-15 observations.											
593												
594	Relevant UCL Statistics											
595	Normal Distribution Test					Lognormal Distribution Test						
596	Shapiro Wilk Test Statistic					0.874	Shapiro Wilk Test Statistic					0.95
597	Shapiro Wilk Critical Value					0.788	Shapiro Wilk Critical Value					0.788
598	Data appear Normal at 5% Significance Level					Data appear Lognormal at 5% Significance Level						
599												
600	Assuming Normal Distribution					Assuming Lognormal Distribution						
601	95% Student's-t UCL					62.68	95% H-UCL					1205
602	95% UCLs (Adjusted for Skewness)					95% Chebyshev (MVUE) UCL					126.8	
603	95% Adjusted-CLT UCL (Chen-1995)					62.9	97.5% Chebyshev (MVUE) UCL					165.1
604	95% Modified-t UCL (Johnson-1978)					63.52	99% Chebyshev (MVUE) UCL					240.2
605												
606	Gamma Distribution Test					Data Distribution						
607	k star (bias corrected)					0.604	Data appear Normal at 5% Significance Level					
608	Theta Star					57.37						
609	MLE of Mean					34.63						
610	MLE of Standard Deviation					44.58						
611	nu star					7.244						
612	Approximate Chi Square Value (.05)					2.306	Nonparametric Statistics					
613	Adjusted Level of Significance					0.0122	95% CLT UCL					57.53
614	Adjusted Chi Square Value					1.431	95% Jackknife UCL					62.68
615							95% Standard Bootstrap UCL					55.27
616	Anderson-Darling Test Statistic					0.223	95% Bootstrap-t UCL					103.3
617	Anderson-Darling 5% Critical Value					0.715	95% Hall's Bootstrap UCL					259.8
618	Kolmogorov-Smirnov Test Statistic					0.184	95% Percentile Bootstrap UCL					55.57
619	Kolmogorov-Smirnov 5% Critical Value					0.341	95% BCA Bootstrap UCL					57.67
620	Data appear Gamma Distributed at 5% Significance Level					95% Chebyshev(Mean, Sd) UCL					95.31	
621							97.5% Chebyshev(Mean, Sd) UCL					121.6
622	Assuming Gamma Distribution					99% Chebyshev(Mean, Sd) UCL					173.1	
623	95% Approximate Gamma UCL (Use when n >= 40)					108.8						
624	95% Adjusted Gamma UCL (Use when n < 40)					175.3						

	A	B	C	D	E	F	G	H	I	J	K	L
625												
626	Potential UCL to Use						Use 95% Student's-t UCL					62.68
627												
628	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
629	These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)											
630	and Singh and Singh (2003). For additional insight, the user may want to consult a statistician.											
631												
632												
633	Methyl tert-butyl ether											
634												
635	General Statistics											
636	Number of Valid Data					6	Number of Detected Data					0
637	Number of Distinct Detected Data					0	Number of Non-Detect Data					6
638							Percent Non-Detects					100.00%
639												
640	Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!											
641	Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!											
642	The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).											
643												
644	The data set for variable Methyl tert-butyl ether was not processed!											
645												
646												
647												
648	m-Xylene & p-Xylene											
649												
650	General Statistics											
651	Number of Valid Data					6	Number of Detected Data					0
652	Number of Distinct Detected Data					0	Number of Non-Detect Data					6
653							Percent Non-Detects					100.00%
654												
655	Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!											
656	Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!											
657	The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).											
658												
659	The data set for variable m-Xylene & p-Xylene was not processed!											
660												
661												
662												
663	Naphthalene											
664												
665	General Statistics											
666	Number of Valid Data					6	Number of Detected Data					0
667	Number of Distinct Detected Data					0	Number of Non-Detect Data					6
668							Percent Non-Detects					100.00%
669												
670	Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!											
671	Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!											
672	The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).											
673												
674	The data set for variable Naphthalene was not processed!											
675												
676												

	A	B	C	D	E	F	G	H	I	J	K	L
677												
678	Nickel											
679												
680	General Statistics											
681	Number of Valid Observations					3	Number of Distinct Observations					3
682												
683												
684	Warning: This data set only has 3 observations!											
685	Data set is too small to compute reliable and meaningful statistics and estimates!											
686	The data set for variable Nickel was not processed!											
687												
688	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
689	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
690												
691												
692												
693	Nitrobenzene											
694												
695	General Statistics											
696	Number of Valid Data					3	Number of Detected Data					0
697	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
698							Percent Non-Detects					100.00%
699												
700	Warning: This data set only has 3 observations!											
701	Data set is too small to compute reliable and meaningful statistics and estimates!											
702	The data set for variable Nitrobenzene was not processed!											
703												
704	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
705	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
706												
707												
708												
709	o-Xylene											
710												
711	General Statistics											
712	Number of Valid Data					6	Number of Detected Data					0
713	Number of Distinct Detected Data					0	Number of Non-Detect Data					6
714							Percent Non-Detects					100.00%
715												
716	Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!											
717	Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!											
718	The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).											
719												
720	The data set for variable o-Xylene was not processed!											
721												
722												
723												
724	Phenol											
725												
726	General Statistics											
727	Number of Valid Data					3	Number of Detected Data					0
728	Number of Distinct Detected Data					0	Number of Non-Detect Data					3

	A	B	C	D	E	F	G	H	I	J	K	L
729							Percent Non-Detects					100.00%
730												
731	Warning: This data set only has 3 observations!											
732	Data set is too small to compute reliable and meaningful statistics and estimates!											
733	The data set for variable Phenol was not processed!											
734												
735	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
736	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
737												
738												
739												
740	Pyrene											
741												
742	General Statistics											
743	Number of Valid Data					3	Number of Detected Data					0
744	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
745							Percent Non-Detects					100.00%
746												
747	Warning: This data set only has 3 observations!											
748	Data set is too small to compute reliable and meaningful statistics and estimates!											
749	The data set for variable Pyrene was not processed!											
750												
751	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
752	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
753												
754												
755												
756	Selenium											
757												
758	General Statistics											
759	Number of Valid Data					3	Number of Detected Data					0
760	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
761							Percent Non-Detects					100.00%
762												
763	Warning: This data set only has 3 observations!											
764	Data set is too small to compute reliable and meaningful statistics and estimates!											
765	The data set for variable Selenium was not processed!											
766												
767	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
768	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
769												
770												
771												
772	Silver											
773												
774	General Statistics											
775	Number of Valid Data					3	Number of Detected Data					0
776	Number of Distinct Detected Data					0	Number of Non-Detect Data					3
777							Percent Non-Detects					100.00%
778												
779	Warning: This data set only has 3 observations!											
780	Data set is too small to compute reliable and meaningful statistics and estimates!											

	A	B	C	D	E	F	G	H	I	J	K	L
781	The data set for variable Silver was not processed!											
782												
783	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
784	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
785												
786												
787												
788	Styrene											
789												
790	General Statistics											
791	Number of Valid Data				3		Number of Detected Data				0	
792	Number of Distinct Detected Data				0		Number of Non-Detect Data				3	
793							Percent Non-Detects				100.00%	
794												
795	Warning: This data set only has 3 observations!											
796	Data set is too small to compute reliable and meaningful statistics and estimates!											
797	The data set for variable Styrene was not processed!											
798												
799	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
800	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
801												
802												
803												
804	Sulfolane											
805												
806	General Statistics											
807	Number of Valid Data				6		Number of Detected Data				1	
808	Number of Distinct Detected Data				1		Number of Non-Detect Data				5	
809							Percent Non-Detects				83.33%	
810												
811	Warning: Only one distinct data value was detected! ProUCL (or any other software) should not be used on such a data set!											
812	It is suggested to use alternative site specific values determined by the Project Team to estimate environmental parameters (e.g., EPC, BTV).											
813												
814	The data set for variable Sulfolane was not processed!											
815												
816												
817												
818	Tetrachloroethene											
819												
820	General Statistics											
821	Number of Valid Data				3		Number of Detected Data				0	
822	Number of Distinct Detected Data				0		Number of Non-Detect Data				3	
823							Percent Non-Detects				100.00%	
824												
825	Warning: This data set only has 3 observations!											
826	Data set is too small to compute reliable and meaningful statistics and estimates!											
827	The data set for variable Tetrachloroethene was not processed!											
828												
829	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
830	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
831												
832												



	A	B	C	D	E	F	G	H	I	J	K	L
833												
834	Toluene											
835												
836	General Statistics											
837	Number of Valid Data					6	Number of Detected Data					0
838	Number of Distinct Detected Data					0	Number of Non-Detect Data					6
839							Percent Non-Detects					100.00%
840												
841	Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!											
842	Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!											
843	The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).											
844												
845	The data set for variable Toluene was not processed!											
846												
847												
848												
849	Vanadium											
850												
851	General Statistics											
852	Number of Valid Observations					3	Number of Distinct Observations					3
853												
854												
855	Warning: This data set only has 3 observations!											
856	Data set is too small to compute reliable and meaningful statistics and estimates!											
857	The data set for variable Vanadium was not processed!											
858												
859	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
860	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
861												
862												
863												
864	Zinc											
865												
866	General Statistics											
867	Number of Valid Data					3	Number of Detected Data					1
868	Number of Distinct Detected Data					1	Number of Non-Detect Data					2
869							Percent Non-Detects					66.67%
870												
871	Warning: This data set only has 3 observations!											
872	Data set is too small to compute reliable and meaningful statistics and estimates!											
873	The data set for variable Zinc was not processed!											
874												
875	It is suggested to collect at least 8 to 10 observations before using these statistical methods!											
876	If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.											
877												
878												